

Converting Colors

$Yxy(36.6058, 0.3737, 0.5072)$

Have a look what the booklet for
Yxy(36.6058, 0.3737, 0.5072)
contains.

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Color

$\text{Yxy}(36.6325, 0.3744, 0.5072)$

Conversions

Conversions Part 1

Format	Color
Hex	8EAF31
RGB	142, 175, 49
RGB Percent	56%, 69%, 19%
CMY	0.4431, 0.3137, 0.8078
CMYK	0.19, 0.00, 0.72, 0.31
HSL	76°, 56%, 44%
HSV	76°, 72%, 69%
XYZ	27.0410, 36.6325, 8.5514
YIQ	150.7690, 20.7780, -46.1820

Conversions

Conversions Part 2

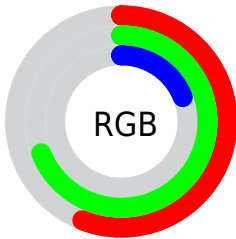
Format	Color
RYB	49, 175, 82
Decimal	9350961
CIELab	67.00, -28.91, 57.46
CIELCh	67, 64.318, 116.710
Yxy	36.6325, 0.3744, 0.5072
Android (android.graphics.Color)	4287541041 (0xFF8EAF31)
YUV	150.7690, -50.1721, -7.6904
Hunter-Lab	60.5248, -26.1689, 33.9904

Details

The Yxy color **36.6325, 0.3744, 0.5072** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.0861, 0.2030, 0.1168**, and the grayscale version is **31.0572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2732, 0.3678, 0.4736**, and **15.9938, 0.3725, 0.5424** is the 20% darker color. If you saturate the color by 10%, you get **36.1169, 0.3763, 0.5233**, and if you desaturate by 10%, it is **37.2254, 0.3701, 0.4870**.

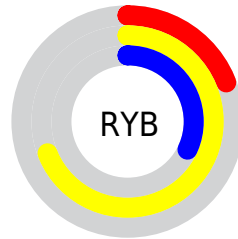
Distribution



Red (56%)

Green (69%)

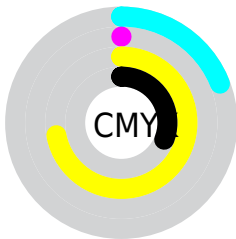
Blue (19%)



Red (19%)

Yellow (69%)

Blue (32%)

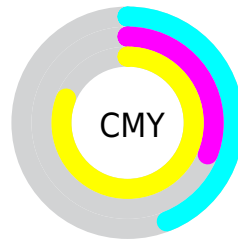


Cyan (19%)

Magenta (0%)

Yellow (72%)

Black (31%)



Cyan (44%)


Magenta (31%)

Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6325, 0.3744, 0.5072 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 36.6325, 0.3744, 0.5072 by changing the saturation by 10% instead.


 36.6325, 0.3744,
0.5072


 36.6325, 0.3744,
0.5072

 331.7167, 0.3492,
0.4137


 24.9231, 0.3773,
0.5300


 70.0072, 0.3674,
0.4731


 16.0198, 0.3784,
0.5581


 92.4413, 0.3641,
0.4602

 9.5381, 0.3770,
0.5953


 119.2190, 0.3610,
0.4494

 5.0938, 0.3637,
0.6363

 150.7248, 0.3582,
0.4401

 2.3024, 0.3247,
0.6753

 187.3431, 0.3556,
0.4321

 0.7750, 0.0383,
0.9617

 229.4583, 0.3533,

 0.0000, 0.0000,

0.4252

0.0000

277.4547, 0.3512,
0.4191

■ 36.6325, 0.3744,
0.5072

■ 36.6325, 0.3744,
0.5072

■ 36.1169, 0.3763,
0.5233

■ 37.2254, 0.3701,
0.4870

■ 35.6664, 0.3757,
0.5347

■ 37.8969, 0.3636,
0.4635

■ 35.3417, 0.3739,
0.5413

■ 38.6539, 0.3554,
0.4379

■ 39.5014, 0.3459,
0.4112

■ 40.4437, 0.3357,
0.3845

■ 41.4849, 0.3252,
0.3585

■ 42.6290, 0.3148,
0.3338

■ 43.8795, 0.3046,
0.3106

■ 45.2398, 0.2949,
0.2893

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.6325, 0.4532, 0.4624



36.6325, 0.3744, 0.5072



36.6325, 0.2846, 0.4881

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



36.6325, 0.3744, 0.5072



36.6325, 0.1536, 0.2207



36.6325, 0.4176, 0.2677

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



36.6325, 0.3744, 0.5072



7.0861, 0.2030, 0.1168

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



36.6325, 0.3175, 0.2195



36.6325, 0.3744, 0.5072



36.6325, 0.1761, 0.1911

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



36.6325, 0.3744, 0.5072



36.6325, 0.1628, 0.2896



36.6325, 0.2309, 0.1924



36.6325, 0.4889, 0.3290

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.6325, 0.3744, 0.5072



36.6325, 0.2302, 0.4313



36.6325, 0.2309, 0.1924



36.6325, 0.3850, 0.2497

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



36.6341, 0.3744, 0.5072



72.3635, 0.3361, 0.3855



15.1475, 0.5156, 0.3694



15.9810, 0.3389, 0.3926



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.6341, 0.3744, 0.5072



64.2257, 0.3762, 0.5301



32.6100, 0.3204, 0.5432



9.2231, 0.3224, 0.3517



25.3397, 0.3744, 0.5409



0.7294, 0.3888, 0.5295

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



7.0861, 0.2030, 0.1168



8.3977, 0.1799, 0.0843



11.1770, 0.2771, 0.1529



7.8548, 0.3025, 0.3058



2.6556, 0.1671, 0.0694



0.1004, 0.2003, 0.0877

Previews

White Background



This preview shows how the Yxy color 36.6325, 0.3744, 0.5072 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 36.6325, 0.3744, 0.5072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

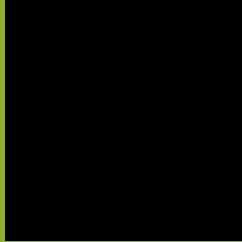
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.6325, 0.3744, 0.5072

Background



This preview shows how black text looks on a background with the Yxy color 36.6325, 0.3744, 0.5072.



This preview shows how white text looks on a background with the Yxy color 36.6325, 0.3744, 0.5072.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

36.6325, 0.3744, 0.5072

Protanopia

36.3367, 0.4266, 0.4714

Deuteranopia

36.1031, 0.4507, 0.4407



Tritanopia

36.3969, 0.2953, 0.3103

Trichromacy



Original Color

36.6325, 0.3744, 0.5072

Protanomaly

36.0582, 0.4069, 0.4848

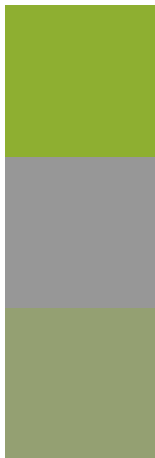
Deuteranomaly

35.9308, 0.4224, 0.4650

Tritanomaly

35.8284, 0.3296, 0.3858

Monochromacy



Original Color

36.6325, 0.3744, 0.5072

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.6524, 0.3425, 0.4020

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6325, 0.3744, 0.5072 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(142, 175, 49)` looks like.

```
.text, #text, p{  
    color:rgb(142, 175, 49)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(142, 175, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 175, 49) }
```

Border

The CSS property to change the border of an element to Yxy 36.6325, 0.3744, 0.5072 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(142, 175, 49) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(142, 175, 49) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(142, 175, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 175, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 175, 49);  
box-shadow:4px 4px 4px 4px rgb(142, 175,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6325, 0.3744, 0.5072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 175, 49) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(142,  
175, 49) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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